

Docket No. BU9-97-149

In the Claims

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Please cancel claims 30-45 in light of the restriction requirement made by the Examiner.

Please substitute the following amended claims for the pending claims having the same number:

Claim 1. (Amended) A method for forming an interconnection between a storage capacitor and a transfer device in a memory cell, the method comprising the steps of:

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C1*
- a) forming a capacitor having a lip extending over a top surface of a substrate; and
 - b) diffusing dopant from the lip into the top surface of the substrate, the diffusing dopant forming a surface strap in the substrate, the surface strap providing a connection between the capacitor and the transfer device.
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Claim 17. (Amended) A method for forming a connection between a capacitor and a transfer device on a semiconductor substrate having a top surface, the method comprising the steps of:

- a) forming a first layer on the semiconductor substrate;
- b) etching an oversized capacitor opening in the first layer;
- c) forming a sidewall spacer on the sidewalls of the oversized capacitor opening;
- d) etching a capacitor trench in the semiconductor substrate using said sidewall spacer and said first layer as a mask, said capacitor trench having a top edge at the top surface of said semiconductor substrate;
- e) depositing capacitor fill material in said capacitor trench, said capacitor fill material extending over said capacitor trench top edge to form a lip of capacitor fill material on said top surface of said semiconductor substrate; and
- f) diffusing dopants from said capacitor fill material into said semiconductor substrate from said lip of capacitor fill material, the diffusing dopant forming a surface strap in the substrate, the surface strap providing a connection between the capacitor and the transfer device.

Remarks

In the office action, the Examiner require restriction to one of three groups. Applicants had previously elected group I, with group I including claims 1-29. Applicants have above canceled claims 30-45 and thus have affirmed this election. Applicants also note that the Office Action Summary sheet provided erroneously stated that claims 18-45 were withdrawn from consideration, when in fact only claims 30-45 were withdrawn. Applicants note that the Examiner did in fact consider all of the claims 1-29 in the office action.

In the office action, the Examiner stated that the application has been filed with informal drawings, and that formal drawings incorporating the changes listed in the enclosed PTO-948 will